

CLAIMS

What is claimed is:

1. A method for creating a presentation document, the method comprising:

creating, in dependence upon an original document, a structured document
5 comprising one or more structural elements; and

creating a presentation grammar for the structured document, wherein the
presentation grammar for the structured document includes grammar elements
each of which includes a structural element identifier for at least one structural
10 element of the structured document.
2. The method of claim 1 wherein creating a structured document further
comprises inserting in the structured document structural element identifiers
for the structural elements.
3. The method of claim 1 wherein creating a structured document further
comprises converting existing structural element identifiers from the original
document to structural element identifiers for the structural elements of the
structured document.
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4. The method of claim 1 wherein creating a presentation grammar for the
structured document comprises:

identifying the content type of the original document;
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selecting, in dependence upon the content type, a full presentation grammar
from among a multiplicity of full presentation grammars; and

- 10 filtering the full presentation grammar into a presentation grammar for the structured document in dependence upon the structural elements of the structured document.
5. The method of claim 4 wherein identifying the content type comprises identifying the content type in dependence upon a filename extension.
6. The method of claim 4 wherein identifying the content type comprises identifying the content type in dependence upon document header elements.
7. The method of claim 4 wherein filtering the full presentation grammar comprises writing from the full presentation grammar to the presentation grammar for the structured document each grammar element having a structural element identifier of a structural element that occurs in the structured document.
- 5 8. The method of claim 4 wherein the full grammar comprises a multiplicity of grammar elements for the content type, wherein each grammar element includes:
- 5 an identifier of a structural element;
a key phrase for invoking a presentation action; and
a presentation action identifier representing a presentation action.

9. A system for creating a presentation document, the system comprising:

means for creating, in dependence upon an original document, a structured document comprising one or more structural elements; and

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means for creating a presentation grammar for the structured document, wherein the presentation grammar for the structured document includes grammar elements each of which includes a structural element identifier for at least one structural element of the structured document.

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10. The system of claim 9 wherein means for creating a structured document further comprises means for inserting in the structured document structural element identifiers for the structural elements.

11. The system of claim 9 wherein means for creating a structured document further comprises means for converting existing structural element identifiers from the original document to structural element identifiers for the structural elements of the structured document.

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12. The system of claim 9 wherein means for creating a presentation grammar for the structured document comprises:

means for identifying the content type of the original document;

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means for selecting, in dependence upon the content type, a full presentation grammar from among a multiplicity of full presentation grammars; and

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means for filtering the full presentation grammar into a presentation grammar for the structured document in dependence upon the structural elements of the structured document.

13. The system of claim 12 wherein means for identifying the content type comprises means for identifying the content type in dependence upon a filename extension.
14. The system of claim 12 wherein means for identifying the content type comprises means for identifying the content type in dependence upon document header elements.
15. The system of claim 12 wherein means for filtering the full presentation grammar comprises means for writing from the full presentation grammar to the presentation grammar for the structured document each grammar element having a structural element identifier of a structural element that occurs in the structured document.
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16. The system of claim 12 wherein the full grammar comprises a multiplicity of grammar elements for the content type, wherein each grammar element includes:
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an identifier of a structural element;
a key phrase for invoking a presentation action; and
a presentation action identifier representing a presentation action.

17. A computer program product for creating a presentation document, the computer program product comprising:

a recording medium;

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means, recorded on the recording medium, for creating, in dependence upon an original document, a structured document comprising one or more structural elements; and

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means, recorded on the recording medium, for creating a presentation grammar for the structured document, wherein the presentation grammar for the structured document includes grammar elements each of which includes a structural element identifier for at least one structural element of the structured document.

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18. The computer program product of claim 17 wherein means, recorded on the recording medium, for creating a structured document further comprises means, recorded on the recording medium, for inserting in the structured document structural element identifiers for the structural elements.

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19. The computer program product of claim 17 wherein means, recorded on the recording medium, for creating a structured document further comprises means, recorded on the recording medium, for converting existing structural element identifiers from the original document to structural element identifiers for the structural elements of the structured document.

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20. The computer program product of claim 17 wherein means, recorded on the recording medium, for creating a presentation grammar for the structured document comprises:

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means, recorded on the recording medium, for identifying the content type of

the original document;

10 means, recorded on the recording medium, for selecting, in dependence upon the content type, a full presentation grammar from among a multiplicity of full presentation grammars; and

15 means, recorded on the recording medium, for filtering the full presentation grammar into a presentation grammar for the structured document in dependence upon the structural elements of the structured document.

21. The computer program product of claim 20 wherein means, recorded on the recording medium, for identifying the content type comprises means, recorded on the recording medium, for identifying the content type in dependence upon a filename extension.

5 22. The computer program product of claim 20 wherein means, recorded on the recording medium, for identifying the content type comprises means, recorded on the recording medium, for identifying the content type in dependence upon document header elements.

5 23. The computer program product of claim 20 wherein means, recorded on the recording medium, for filtering the full presentation grammar comprises means, recorded on the recording medium, for writing from the full presentation grammar to the presentation grammar for the structured document each grammar element having a structural element identifier of a structural element that occurs in the structured document.

24. The computer program product of claim 20 wherein the full grammar comprises a multiplicity of grammar elements for the content type, wherein each grammar element includes:

- 5 an identifier of a structural element;
 a key phrase for invoking a presentation action; and
 a presentation action identifier representing a presentation action.